



I-270 over the Mississippi River

Phase I Study - Addendum

Madison County

Exhibit C – U.S. Coast Guard Navigation Spans Coord.

Brad E. Riechmann

From: Brad E. Riechmann
Sent: Tuesday, March 10, 2020 10:21 AM
To: Cindy Stafford; 'Pfeiffer, Travis'; Owen, Billie J
Subject: RE: I-270 Bridge Replacement Project - Confirmation of Design Intent
Attachments: 20200124-USCGNavLetter.pdf; 02_Exhibit_USCG_Coordination.pdf

All,

I just got off the phone with Allan. He pulled up the email while on the phone and confirmed our approach is what has been discussed up to this point on the project. I said we planned to include this navigation design approach listed below in our Bridge Design Criteria Document which will be shared and agreed to between both states.

Thanks,

Brad Riechmann, PE

Assoc. VP, Regional Manager - Transportation

Horner & Shifrin, Inc.

Direct: (618) 726-0307

From: Brad E. Riechmann
Sent: Tuesday, February 18, 2020 4:42 PM
To: 'Monterroza, Allan O CIV' <Allan.O.Monterroza@uscg.mil>
Cc: Cindy Stafford <Cindy.Stafford@Illinois.gov>; Pfeiffer, Travis <Travis.Pfeiffer@parsons.com>; Owen, Billie J <Billie.Owen@illinois.gov>
Subject: I-270 Bridge Replacement Project - Confirmation of Design Intent

Allan,

Thanks for the attached 01/15/2020 letter in response to our project correspondence also attached for reference. Our team would like to document our design intentions with regards to providing a navigation channel for three key areas:

Clearances

We plan to meet or exceed the existing low steel elevation of 451.63 feet and provide 220' of horizontal clearance for three spans shown in our exhibit previously submitted to your office. No additional clearance criteria are being considered.

Collision Loading

Design of bridge substructure will account for an unloaded runway barge. No formal barge impact study or design is planned for this structure.

Lighting and Signing

Specialized navigation lighting is not planned for this structure as is not present on the existing structure. No specialized signing on the columns indicating depth of channel or clearance remaining is proposed.

Feel free to contact me with any issues with the items noted above.

Thanks,



Brad Riechmann, PE

Assoc. VP, Regional Manager - Transportation

Horner & Shifrin, Inc.

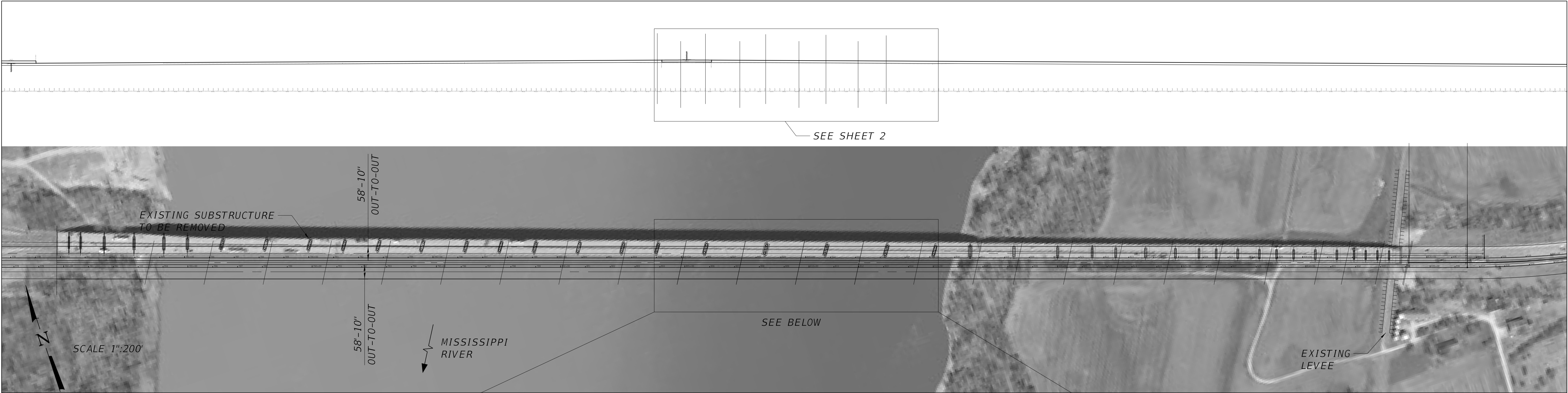
Direct: (618) 726-0307

Mobile: (314) 651-0187

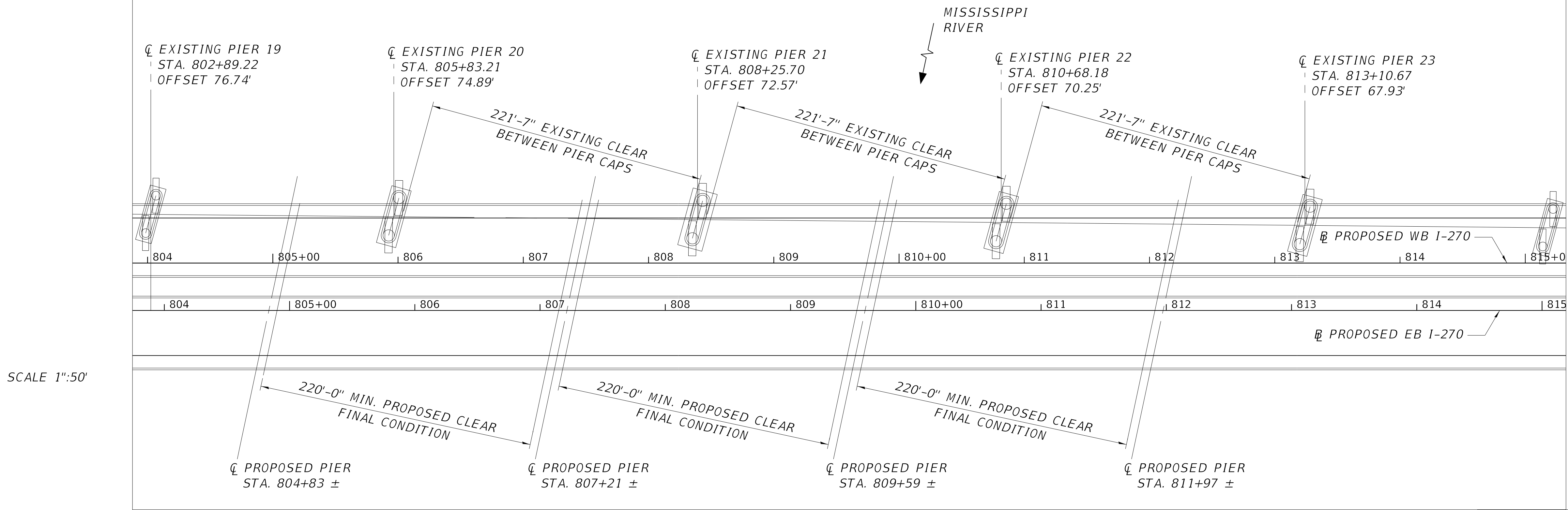
www.hornershifrin.com



MODEL: 02 Exhibit-Opening(12.6.20)
FILE NAME: pw:\pw01_hornershrfm.com\HS_Transportation\Documents\1815900-FAI270MississippiRiverPh2Exhibits\Exhibit_USCG_Coordination.dgn



NAVIGATIONAL CLEAR DURING CONSTRUCTION NOT CONSIDERED.



PROPOSED NAVIGATIONAL CLEAR
STATIONING ALONG EB ALIGNMENT

PRELIMINARY

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =		
PLOT DATE =		

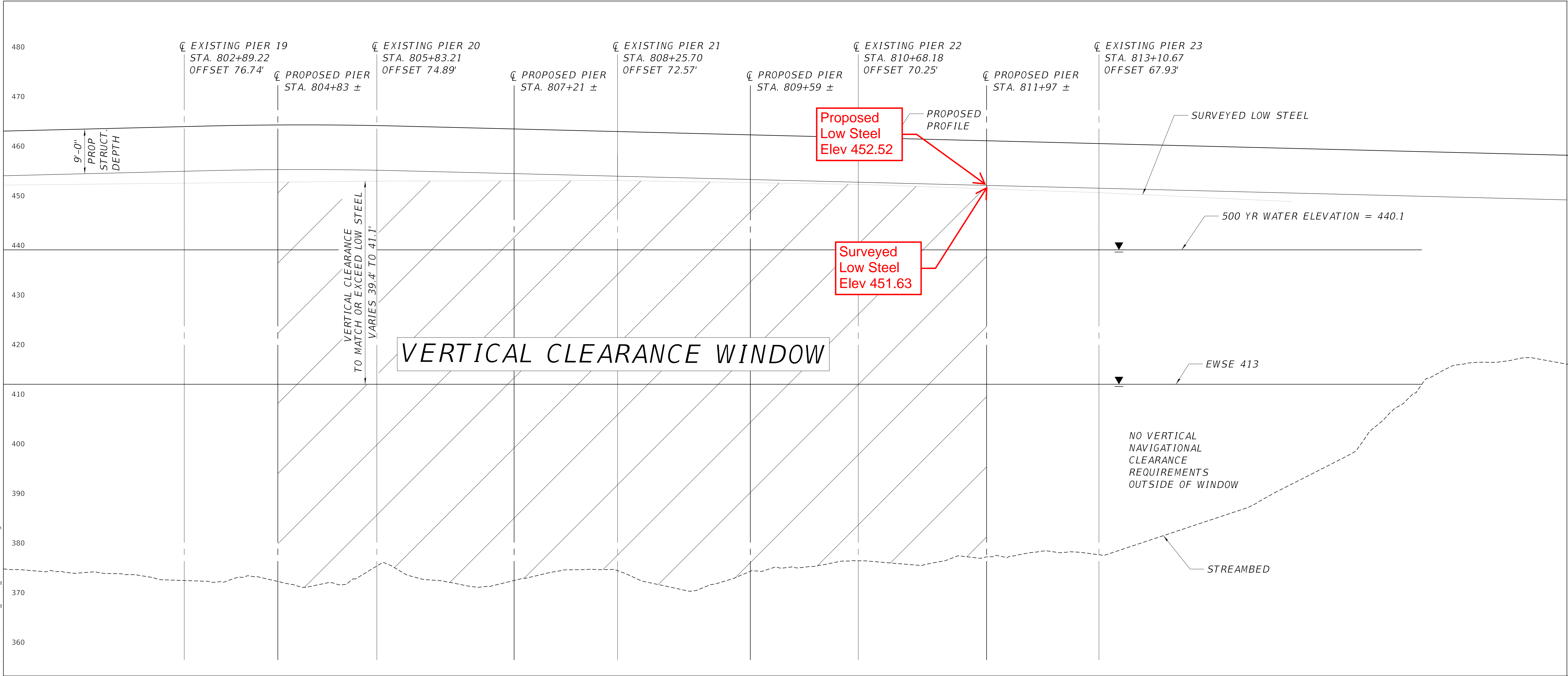
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NAVIGATIONAL EXHIBIT
I-270 OVER MISSISSIPPI RIVER

SHEET OF SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: 02 Exhibit-Opening(12.6.20)
FILE NAME: pw:\pww01.hornershifrn.com\HS Transportation\Documents\1815900-Fa1270MississippiRiverPh2\Exhibits\Exhibit_USCG_Coordination.dgn



340	375.36	375.26	374.90	375.15	374.82	374.59	373.51	373.37	373.10	373.89	374.20	373.42	372.56	372.41	372.89	373.77	375.98	376.15	374.20	373.52	372.94	372.20	372.40	373.39	374.22	375.16	375.60	375.70	375.67	374.27	372.92	372.06	371.31	376.86	376.15	376.26	376.89	377.39	377.33	376.99	376.66	376.86	377.76	378.17	378.23	378.25	379.01	379.37	379.20	378.93	378.79	380.12	381.45	382.79	384.12	385.45	386.78	388.11	390.28	392.39	394.42	396.45	398.48	402.53	406.42	409.68	414.10	416.07	417.44	417.65	418.35	417.85
	802+50	803+00	803+50	804+00	804+50	805+00	805+50	806+00	806+50	807+00	807+50	808+00	808+50	809+00	809+50	810+00	810+50	811+00	811+50	812+00	812+50	813+00	813+50	814+00	814+50	815+00	815+50	816+00	816+50	817+00	817+50																																									

350	375.36	375.26	374.90	375.15	374.82	374.59	373.51	373.37	373.10	373.89	374.20	373.42	372.56	372.41	372.89	373.77	375.98	376.15	374.20	373.52	372.94	372.20	372.40	373.39	374.22	375.16	375.60	375.70	375.67	374.27	372.92	372.06	371.31	376.86	376.15	376.26	376.89	377.39	377.33	376.99	376.66	376.86	377.76	378.17	378.23	378.25	379.01	379.37	379.20	378.93	378.79	380.12	381.45	382.79	384.12	385.45	386.78	388.11	390.28	392.39	394.42	396.45	398.48	402.53	406.42	409.68	414.10	416.07	417.44	417.65	418.35	417.85
	802+50	803+00	803+50	804+00	804+50	805+00	805+50	806+00	806+50	807+00	807+50	808+00	808+50	809+00	809+50	810+00	810+50	811+00	811+50	812+00	812+50	813+00	813+50	814+00	814+50	815+00	815+50	816+00	816+50	817+00	817+50																																									

PROVIDED VERTICAL CLEARANCE

	USER NAME	=	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NAVIGATIONAL EXHIBIT I-270 OVER MISSISSIPPI RIVER	SHEET OF SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE	=	CHECKED	-	REVISED	-								
	PLOT DATE	=	DRAWN	-	REVISED	-				CONTRACT NO.				
			CHECKED	-	REVISED	-				ILLINOIS FED. AID PROJECT				

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
Eighth Coast Guard District

1222 Spruce Street
St. Louis, MO 63103-2832
Staff Symbol: dwb
Phone: (314)269-2434
Email: allan.o.monterroza@uscg.mil

16591.1/190.8 UMR
January 15, 2020

Mr. Keith Roberts
Regional Engineer (Acting)
Attn: Kirk Brown
Illinois Department of Transportation
District 8
1102 East Port Plaza Drive
Collinsville, IL 62234

Subj: I-270 HIGHWAY BRIDGE REPLACEMENT, MILE 190.8, UPPER MISSISSIPPI
RIVER

Dear Mr. Keith Roberts:

This is in reply to Horner & Shifrin, Inc's. email correspondence regarding navigation requirements for replacement of the subject bridge. We have determined for a new bridge at this location it shall meet or exceed the existing horizontal and vertical clearance of the I-270 Highway Bridge located at Mile 190.8. The existing clearances for the I-270 Highway Bridge are: horizontal – 220.0 feet and vertical clearance shall meet or exceed the existing low steel elevation of 451.63 feet. These clearances currently satisfy the reasonable needs of navigation.

Once the actual pier placement and alignment for the new bridge has been determined, please forward these drawings to us for review and approval. Final concurrence cannot occur until we process a public notice and receive public input.

You can contact Mr. Allan Monterroza at the above telephone number if you have questions regarding our comments or requirements.

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric A. Washburn", with a long horizontal flourish extending to the right.

ERIC A. WASHBURN
Bridge Administrator, Western Rivers
By direction of the District Commander

CC: Brad Riechman, PE, Horner & Shifrin, Inc.